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IB - 156/65  
14 May 1965  
Copy # 1

MEMORANDUM FOR: Chief, Forces Division, ORR

ATTENTION : [REDACTED] GFB 25X1A

THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGS

FROM : Chief, Photographic Intelligence Division, CIA

SUBJECT : Pao-tou Tank Plant 617  
Pao-tou Tank Plant 447

REFERENCES : (1) ORR Requirement No. C-RR5-82,488  
ORR Requirement No. C-RR5-82,489  
(2) CIA/PID Project No. 30567-5  
CIA/PID Project No. 30568-5

1. This memorandum is in response to the above referenced requirements concerning the facilities at the Pao-tou Tank Plant 447 and the Pao-tou Tank Plant 617 and its associated test track.

2. Pao-tou Tank Plant 617

a. Location - This plant is located in Pao-tou, China, seven nautical miles northwest from the approximate center of the city. The geographic coordinates of the complex are 40 39N - 109 54E.

b. Facilities - The Pao-tou Tank Plant 617 and its test track are outlined on the enclosed overlays (Figure 2 and 4). Structures are referred to by item numbers which appear in Figure 2 and are keyed to the table listed below.

- (1) Machine Shop
- (2) Workshop
- (3) Machine Shop
- (4) Machine Shop
- (5) Final Assembly/Sub-assembly Building
- (6) Machine Shop
- (7) Probable Foundry and Machine Shop
- (8) Probable Foundry
- (9) Machine Shop
- (10) Machine Shop

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- (11) Workshop
- (12) Machine Shop
- (13) Gas Plant
- (14) Foundry
- (15) Machine Shop
- (16) Workshop
- (17) Workshop/Warehouse
- (18) Motor Park

/// - Symbol denotes raw material storage areas  
\\ - Symbol denotes open storage areas

25X1D

25X1D c. Level of Production Activity - [REDACTED] smoke or steam was visible at the gas plant (item 13), a foundry (item 14) and a probable foundry (item 8). Approximately 34 rail cars\* were counted at various points throughout the area. Nine trucks were observed in a motor park (item 18). [REDACTED]  
25X1D [REDACTED] the only smoke visible in the plant was that being emitted from a probable foundry (item 8). Thirty-three rail cars were counted in the complex. Three vehicles, probable trucks, were parked in the motor pool (item 18). When the plant was observed on [REDACTED] smoke was visible again at only one building in the plant; a foundry (item 14). However, approximately 58 railroad cars were observed in the plant area. Three possible vehicles were in the motor park. At the oval test track, immediately north of the plant, a moving probable tracked vehicle was observed. [REDACTED]  
25X1D the date of the KEYHOLE [REDACTED] there was a marked increase in the amount of steam or smoke visible as compared to previous observations. Plumes of steam were observed at the gas plant, two machine shops (item 4 and 15) a foundry (item 14) and a probable foundry (item 8). There were approximately 30 rail cars counted in the plant. A moving tracked vehicle was observed in the test track area, and another possible vehicle, unidentified, was parked north of a large service building. Latest photographic coverage, dated [REDACTED]  
25X1D [REDACTED] reveals approximately 24 vehicles, probable trucks, in the motor park and 24 rail cars scattered throughout the plant. In all the missions studied there were no significant changes in the location of storage areas or in the amount of materials observed.

25X1D d. Level of Construction Activity - Five small storage buildings in the eastern portion of the plant were erected between [REDACTED]  
25X1D [REDACTED], revealed an additional eight new

\* No attempt was made to distinguish the various types of railcars.

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warehouses and storage buildings. A new rail spur had been constructed in the northern portion of the plant servicing the plant's coal storage area and an unidentified support area.

25X1D

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In the test track area, a large workshop, under construction in [REDACTED], has been completed. [REDACTED] photography also revealed five holes, connected by a trench and placed along the length of the test track oval. [REDACTED] shows that a probable instrumentation system has been installed; five mast-like structures are now in place. Security for the test track area is now provided by a fence. It was constructed between [REDACTED]

25X1D

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3. Photography - Because of the nature of the requirement, only photography of the best quality was utilized in this study with special emphasis being placed on large scale photography. The photography used in both the Pao-tou plant studies are from [REDACTED]

3. Pao-tou Tank Plant 447

a. Location - The plant is located in Pao-tou, China, 1.5 nautical miles west of Pao-tou Tank Plant 617 and 8.5 nautical miles northwest from the approximate center of the city. The geographic coordinates of the plant are 40 41N - 109 52E.

b. Facilities - The Pao-tou Tank Plant 447 is outlined on the enclosed overlay (Figure 3). Structures are referred to by item numbers which appear in Figure 3 and are keyed to the table listed below.

- (1) Unidentified Shop Building
- (2) Engineering Building
- (3) Machine Shop
- (4) Machine Shop
- (5) Unidentified Shop Building
- (6) Warehouse
- (7) Probable Foundry
- (8) Probable Foundry
- (9) Machine Shop
- (10) Machine Shop
- (11) Final Assembly/Sub-assembly Building
- (12) Gas Plant
- (13) Probable Foundry
- (14) Foundry
- (15) Warehouse
- (16) Warehouse
- (17) Workshop/Warehouse
- (18) Motor Park

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- 25X1D c. Level of Production Activity - Because the industrial complex was on the edge of the photography of [REDACTED], the northern portion of the plant was not observed. In the remainder of the plant, activity was noticeable only by large puffs of smoke from a small workshop, southeast of a large unidentified building (item 1). Five rail cars were counted in the plant. Four trucks and an unidentified vehicle were parked in a motor pool (item 18). No smoke or steam activity was observed at the plant in [REDACTED]. There were seven rail cars observed in the plant area. [REDACTED]
- 25X1D smoke was visible at the gas plant (item 12) and the small workshop previously mentioned. There were approximately 32 rail cars in the plant area at this time. Two trucks were parked in the motor section. Photography of [REDACTED] revealed that the steam or smoke activity was slightly higher than the level previously observed. The gas plant was operating and a plume of steam was detected at a probable foundry (item 13). There was smoke or steam being generated in two small secured areas adjacent to this probable foundry. The small workshop in the eastern portion of the plant was also emitting puffs of smoke. An estimated 16 rail cars were in the complex at this time. [REDACTED] a probable foundry (item 13) was emitting smoke from a large stack. All other buildings appeared to be idle. There were approximately 30 rail cars present in the plant. Seven probable trucks were noted in the motor park.
- 25X1D d. Level of Construction Activity - Four small support buildings and additions to three workshop/warehouses buildings have been constructed since [REDACTED]. The most significant construction occurred outside the plant's north wall: a large workshop, under construction in [REDACTED] has now been completed. There has been no changes in the apparent construction activity adjacent to this building in the period [REDACTED]
- 25X1D
- 25X1D
- 25X1D

4. The photo analyst for these two projects was [REDACTED] who may be contacted on extension 2547, should there be any further questions. These projects are complete as of the date of this memorandum.

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Enclosures:

- 4 Enlargements, w/Overlays  
CIA/PID/IB-P-455/65 thru P-457/65  
CIA/PID/IB-P-468/65

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